

Remarks

Upon entry of the foregoing amendment, **claims 1, 3-13, and 15-26** are pending in the application, with **claims 1, 7, 13, and 20** being the independent claims. Claims 2 and 14 are sought to be cancelled without prejudice to or disclaimer of the subject matter therein. Claims 1, 3-5, 7, 13, 15-17, 19 and 20 are amended herein. These changes are believed to introduce no new matter, and their entry is respectfully requested.

The specification is amended herein to include serial numbers of incorporated patent applications that were not yet assigned at the time of filing the present application. In addition, the specification is amended to include reference numbers present in the originally-filed figures that were inadvertently missing from the specification.

Based on the above amendment and the following remarks, Applicants respectfully request that the Examiner reconsider all outstanding objections and rejections and that they be withdrawn.

Rejections under 35 U.S.C. § 103

The current Office Action states that claims 1-6 are rejected under 35 U.S.C. 103(a) as allegedly unpatentable over U.S. Pat. No. 5,790,587 to Smith *et al.* (hereinafter, "Smith") in view of U.S. Pat. No. 4,045,740 to Baker (hereinafter, "Baker"). The current Office Action also states that claims 7-9 are rejected under 35 U.S.C. 103(a) as allegedly unpatentable over Smith in view of U.S. Pat. No. 5,710,992 to Sawada *et al.* (hereinafter, "Sawada"). The current Office Action also states that claims 12-26 are rejected under 35 U.S.C. 103(a) as allegedly unpatentable over

Smith in view of Baker, Sawada, and further in view of U.S. Pat. No. 4,016,366 to Kurata (hereinafter, "Kurata"). Applicants respectfully traverse.

Independent claim 1, as amended, recites, among other features, "aliasing said channel/band combination according to an aliasing signal, said aliasing signal having an aliasing frequency, said aliasing frequency being a function of a clock signal, thereby generating a down-converted signal including said channel/band combination." Independent claims 7, 13, and 20, as amended, recite similar features. Neither Smith nor any of the other cited documents teaches or suggests down-conversion by aliasing. For at least this reason, Applicants respectfully submit that amended independent claims 1, 7, 13, and 20, and all claims that depend therefrom (3-6, 8-12, 15-19, and 21-26, respectively) are patentable. Therefore, Applicants respectfully request that the Examiner reconsider and withdraw the current rejections.

Objections to the Drawings

In the current Office Action, the drawings were objected to by the Examiner for the reasons stated on the Notice of Draftperson's Patent Drawing Review (PTO-948). To remedy this, formal drawings are submitted herewith. Therefore, Applicants respectfully request that the Examiner reconsider and withdraw the objection to the drawings.

Other Matters - PTO-1449 Forms

All of the PTO-1449 Forms that were returned with the current Office Action contain initials and a signature from the previous Examiner. However, although some of the Forms also contain initials and a signature from current Examiner Chow, many do not. Pursuant to a telephone call with Examiner Chow on November 5, 2003, the Forms are being re-submitted

herewith for Examiner Chow's consideration and signature to ensure that the documents become of record in the official file wrapper.

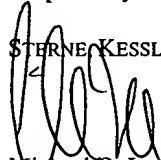
Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

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